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Substitute for form 1449/PTO <h2 style="text-align: center; margin: 10px 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; font-size: small;">(Use as many sheets as necessary)</p>	<h3 style="text-align: center; margin: 0;">Complete if Known</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;"></td> </tr> <tr> <td>Filing Date</td> <td>December 30, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Christopher Wilson</td> </tr> <tr> <td>Art Unit</td> <td></td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Attorney Docket Number</td> <td>07942.0025.NPUS00</td> </tr> </table>	Application Number		Filing Date	December 30, 2003	First Named Inventor	Christopher Wilson	Art Unit		Examiner Name		Attorney Docket Number	07942.0025.NPUS00
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Filing Date	December 30, 2003												
First Named Inventor	Christopher Wilson												
Art Unit													
Examiner Name													
Attorney Docket Number	07942.0025.NPUS00												
Sheet <u>1</u> of <u>1</u>													

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
QN	1	US- 2002/0007398 A1	01/17/2002	Mediola, et al.	
	2	US- 2002/0112014 A1	08/15/2002	Bennett, et al.	
	3	US- 2003/0152040 A1	08/14/2003	Crockett, et al.	
	4	US- 2003/0153339 A1	08/14/2003	Crockett, et al.	
	5	US- 2003/0153340 A1	08/14/2003	Crockett, et al.	
	6	US- 2003/0153341 A1	08/14/2003	Crockett, et al.	
	7	US- 2003/0153342 A1	08/14/2003	Crockett, et al.	
	8	US- 2003/0153343 A1	08/14/2003	Crockett, et al.	
	9	US- 2003/0154243 A1	08/14/2003	Crockett, et al.	
	10	US- 2003/0154249 A1	08/14/2003	Crockett, et al.	
	11	US- 5,781,614	07/14/1998	Brunson	
	12	US- 6,360,093 B1	03/19/2002	Ross, et al.	
	13	US- 6,405,035 B1	06/11/2002	Singh	
	14	US- 6,430,604 B1	08/06/2002	Ogle, et al.	
	15	US- 6,501,834 B1	12/31/2002	Milewski, et al.	
	16	US- 6,539,237 B1	03/25/2003	Sayers, et al.	
QN	17	US- 6,539,421 B1	03/25/2003	Appelman, et al.	
		US-			
		US-			

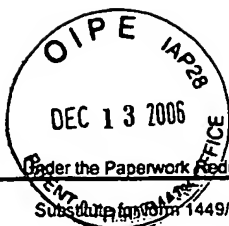
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			

Examiner Signature	/Quang N. Nguyen/ (02/03/2007)	Date Considered	02/03/2007
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PTO/SB/08A (09-06)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 5

Complete if Known

Application Number	10/748,723
Filing Date	12/30/2003
First Named Inventor	Christopher Wilson
Art Unit	2141
Examiner Name	Quang N. Nguyen
Attorney Docket Number	07942.0005.CPUS03

U. S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
QN		US- 5528671	06-18-1996	Ryu et al.	
		US- 5694549	12-02-1997	Carlin et al.	
		US- 5742905	04-21-1998	Pepe et al.	
		US- 5838318	11-17-1998	Porter et al.	
		US- 5889764	03-30-1999	Needham et al.	
		US- 5905476	05-18-1999	McLaughlin et al.	
		US- 5987401	11-16-1999	Trudeau	
		US- 5987503	11-16-1999	Murakami	
		US- 5990887	11-23-1999	Red Path et al.	
		US- 5991796	11-23-1999	Anupam et al.	
		US- 6020884	02-01-2000	MacNaughton et al.	
		US- 6061716	05-09-2000	Moncreiff	
		US- 6078948	07-20-2000	Podgorny et al.	
		US- 6157814	12-05-2000	Hymel et al.	
		US- 6161134	12-12-2000	Wang et al.	
		US- 6212548	04-03-2001	DeSimone et al.	
		US- 6286034	09-04-2001	Sato et al.	
		US- 6301609	10-09-2001	Aravamudan et al.	
		US- 6370563	04-09-2002	Murakami et al.	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
QN		EP 1 154 666 A2	11-14-2001	Isao Corporation		✓
		WO 00/69140	11-16-2000	Telefonaktiebolaget LM		✓
		JP 10154117	06-09-1998	Fujitsu Ltd		
		JP 11249990	09-17-1999	Fujitsu Ltd		
		JP 11203227	07-30-1999	Network Community Creatio		
QN		2002009819 JP	01-11-2002	Sato et al.		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2

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5

Complete if Known

Application Number	10/748,723
Filing Date	12/30/2003
First Named Inventor	Christopher Wilson
Art Unit	2141
Examiner Name	Quang N. Nguyen
Attorney Docket Number	07942.0005.CPUS03

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		Number-Kind Code ² (if known)			
QN		US- 6393461 B1	05-21-2002	Okada et al.	
↓		US- 6430567	08-06-2002	Burridge	
		US- 6434604 B1	08-13-2002	Harada et al.	
		US- 6446112	09-02-2002	Bunney et al.	
		US- 6456621	09-24-2002	Wada et al.	
		US- 6459892	10-01-2002	Burgan et al.	
		US- 6480885	11-12-2002	Olivier	
		US- 6499053	12-24-2002	Marquette et al.	
		US- 6549768	04-15-2003	Fraccaroli	
		US- 6594255	07-15-2003	Newman	
		US- 6597903	07-2003	Dahm et al.	
		US- 6484196	11-2002	Maurille	
		US- 6433795	08-2002	MacNaughton et al.	
		US- 6677976	01-13-2004	Parker et al.	
		US- 6721784	04-13-2004	Leonard et al.	
		US- 6471521	10-2002	Dombush et al.	
↓		US- 6681108	01-2004	Terry et al.	
		US- 6760580	07-2004	Robinson et al.	
	QN	US- 6807431	10-2004	Sayers et al.	

FOREIGN PATENT DOCUMENTS

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QN		US- 7003327	02-2006	Payne et al.		
↓		US- 2001/0044787	11-2001	Shwartz et al.		
		US- 2004/0039779	02-2004	Armstrong et al.		
		US- 2005/0207557	09-2005	Dolan et al.		
		US- 2002/0073154 A1	06-13-2002	Murakami et al.		
		US- 2002/0016163 A1	02-07-2002	Burgan et al.		
		US- 2005/0027802	02-2005	Madsen et al.		
		US- 2004/0078304	04-2004	Gabbard et al.		
		US- 2002/0095679	07-2002	Bonini		
		US- 2001/0031635	10-18-2001	Bharatia		
		US- 2001/0042095	11-15-2001	Kim et al.		
		US- 2002/0022954	02-21-2002	Shimohata et al.		
		US- 2002/0023128	02-21-2002	Matsumoto et al.		
		US- 2002/0083035	06-21-2002	Pearl et al.		
		US- 2002/0133547	09-19-2002	Lin		
		US- 2003/0003953	01-02-2003	Houplain		
		US- 2003/0012348	01-16-2003	Skladman et al.		
		US- 2003/0158902	08-21-2003	Volach		
	QN		US- 2003/0236823	12-25-2003	Patzer et al.	

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		Examiner Name	Quang N. Nguyen	
Sheet 5	of	5	Attorney Docket Number	07942.0005.CPUS03

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
QN		Supplementary European Search Report, EPO Appl. No. EP03764784, Dated 16-JUN-2006, 3 pages	
QN		PCT International Search Report and Written Opinion, 07-DEC-2005, PCT/US04/43581, 7 pages	
QN		PCT International Search Report, PCT/US03/22355, 4 pages	

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